## **CLAIMS ONLY**

SERIAL NO.

17706964

APPLICANT(S)

FILING DATE 12/05/01

CLAIMS

| 1             | IND.   |      |      | NDMENT     | AFTER 2nd AMENDMENT |            |  |
|---------------|--|------|------|------------|---------------------|------------|--|
| 1             |  | DEP. | IND. | DEP.       | IND.                | DEP.       |  |
|               | 1 1  |      |      |            |                     |            |  |
| 2             |  |      |      |            |                     |            |  |
| 3             |  |      |      |            |                     |            |  |
| 4             |  |      |      |            |                     |            |  |
| 5             |  | 1    |      |            |                     |            |  |
| 6             |  |      |      |            |                     |            |  |
| 7             |  |      |      |            |                     |            |  |
| 8             |  |      |      |            |                     |            |  |
| 9             |  |      |      |            |                     |            |  |
| 10            |  |      |      |            |                     |            |  |
| 11            |  |      |      |            |                     |            |  |
| 12            |  |      |      |            |                     |            |  |
| 13            |  |      |      |            |                     |            |  |
| 14            |  |      |      |            |                     |            |  |
| 15            |  |      |      |            |                     |            |  |
| 16            |  |      |      |            |                     |            |  |
| 17            |  |      |      |            |                     |            |  |
| 18            |  |      |      |            |                     |            |  |
| 19            |  |      |      |            |                     |            |  |
| 20            |  |      |      |            |                     |            |  |
| . 21          |  |      |      |            |                     |            |  |
| 22            | Ī  |      |      |            |                     |            |  |
| 23            |  |      |      |            |                     |            |  |
| 24            |  |      |      |            |                     | Ī          |  |
| 25            |  |      |      |            |                     |            |  |
| 26            |  |      |      |            |                     |            |  |
| 27            |  |      |      |            |                     |            |  |
| 28            |  |      |      |            |                     |            |  |
| 29            |  | L    |      |            |                     |            |  |
| 30            |  |      |      |            |                     |            |  |
| 31            | Ι.Λ  |      |      |            |                     |            |  |
| 32            |  |      |      |            |                     |            |  |
| 33            |  |      |      |            |                     |            |  |
| 34            |  |      |      |            |                     |            |  |
| 35            |  |      |      |            |                     |            |  |
| 36            |  |      |      |            |                     |            |  |
| 37            |  |      |      |            |                     |            |  |
| 38            |  |      |      |            |                     |            |  |
| 39            |  |      |      |            |                     |            |  |
| 40            |  |      |      |            |                     |            |  |
| 41            |  |      |      |            |                     |            |  |
| 42            | L  |      |      |            |                     |            |  |
| 43            | L  |      |      |            |                     |            |  |
| 44            |  |      |      |            |                     |            |  |
| 45            |  |      |      |            |                     |            |  |
| 46            |  |      |      |            |                     |            |  |
| 47            |  |      |      |            |                     |            |  |
| 48            |  |      |      |            |                     |            |  |
| 49            |  |      |      |            |                     |            |  |
| 50            |  |      |      |            |                     |            |  |
| TOTAL<br>IND. |  |      |      |            |                     |            |  |
| TOTAL         | <del>                                     </del> | _    |      | <b>_</b> * |                     | <b>-</b> * |  |
| DEP.          | 1  | 7.   |      |            |                     |            |  |

| IS       | S                      |  |              |  |               |             |      |  |  |  |
|----------|------------------------|--|--------------|--|---------------|-------------|------|--|--|--|
| Т        |                        | *  |              | *  |               | *           |      |  |  |  |
| Г        |                        | IND.   | DEP.         | IND.   | DEP.          | IND.        | DEP. |  |  |  |
|          | 51                     |  |              |  |               |             |      |  |  |  |
|          | 52                     |  |              |  |               |             |      |  |  |  |
| Г        | 53                     |  |              |  |               |             |      |  |  |  |
|          | 54                     |  |              |  |               |             |      |  |  |  |
|          | 55                     |  |              |  |               |             |      |  |  |  |
|          | 56                     |  |              |  |               |             |      |  |  |  |
|          | 57                     |  |              |  |               |             |      |  |  |  |
|          | 58                     |  |              |  |               |             |      |  |  |  |
| L        | 59                     |  |              | <u> </u>   |               |             |      |  |  |  |
| L        | 60                     |  |              |  |               |             |      |  |  |  |
| L        | 61                     |  |              |  |               |             |      |  |  |  |
| L        | 62                     |  |              |  |               |             |      |  |  |  |
| <b> </b> | 63                     |  | ļ            |  |               |             |      |  |  |  |
| L        | 64                     |  | ļ            |  |               | <u></u>     | _    |  |  |  |
| L        | 65                     |  |              |  |               |             |      |  |  |  |
| $\perp$  | 66                     |  |              | <u> </u>   |               | ļ           |      |  |  |  |
| -        | 67                     |  | ļ            | <u> </u>   | _             |             |      |  |  |  |
| -        | 68                     | ļ  |              |  |               | <u> </u>    |      |  |  |  |
| -        | 69                     | ļ  | <u> </u>     | ļ  |               | ļ           |      |  |  |  |
| ⊢        | 70                     |  |              |  | ļ             | <u> </u>    |      |  |  |  |
| $\vdash$ | 71                     |  | ļ            |  |               |             |      |  |  |  |
| $\vdash$ | 72                     | ļ  |              |  |               | <del></del> |      |  |  |  |
| ⊢        | 73<br>74               | <del></del>                                      | <del> </del> |  | <u> </u>      | <u> </u>    |      |  |  |  |
| H        | 75                     |  |              | -  | ļ <u>-</u>    |             |      |  |  |  |
| -        |                        |  | _            | <b>_</b>   | ļ             | <u> </u>    |      |  |  |  |
| $\vdash$ | 76<br>77               |  |              | <del></del>                                      | <u> </u>      |             |      |  |  |  |
| ┢        | 78                     | <del>                                     </del> |              |  |               |             |      |  |  |  |
| $\vdash$ | 79                     | <del></del>                                      |              |  | 1             |             |      |  |  |  |
| H        | 80                     |  | i            | <del> </del>                                     |               | ļ           |      |  |  |  |
| ┢        | 81                     | 1  |              | <del>                                     </del> |               |             |      |  |  |  |
| ┢        | 82                     |  |              | $\vdash$   |               |             |      |  |  |  |
| F        | 83                     |  |              |  |               |             |      |  |  |  |
|          | 84                     |  |              |  |               |             |      |  |  |  |
| ┢        | 85                     |  |              |  |               |             |      |  |  |  |
| F        | 86                     |  |              | <del></del>                                      |               |             |      |  |  |  |
|          | 87                     |  |              |  |               |             |      |  |  |  |
| Г        | 88                     |  |              |  |               |             |      |  |  |  |
| Г        | 89                     |  |              |  |               |             |      |  |  |  |
| Γ        | 90                     |  |              |  |               |             |      |  |  |  |
|          | 91                     |  |              |  |               |             |      |  |  |  |
|          | 92                     |  |              |  |               |             |      |  |  |  |
|          | 93                     |  |              |  |               |             |      |  |  |  |
|          | 94                     |  |              |  |               |             |      |  |  |  |
|          | 95                     |  |              |  |               |             |      |  |  |  |
|          | 96                     | 1  |              |  |               |             |      |  |  |  |
|          | 97                     |  |              |  |               |             |      |  |  |  |
| L        | 98                     |  |              |  |               |             |      |  |  |  |
| L        | 99                     |  |              |  |               |             |      |  |  |  |
| L        | 100                    |  |              |  |               |             | •    |  |  |  |
| 1        | OTAL<br>IND.           |  | J            |  |               |             | ,    |  |  |  |
| h        | TOTAL                  |  | <b>—</b>     |  | ₩.            |             | •    |  |  |  |
| Н        | DEP.<br>TOTAL<br>LAIMS | · · ·  |              |  | المتحرفتين وا |             | Ÿ    |  |  |  |
| LC       | LAIMS                  |  |              |  |               |             |      |  |  |  |

\* MAY BE USED FOR ADDITIONAL CLAIMS OR ADMENDMENTS

FORM PTO-2022 (1-98)

U.S.DEPARTMENT OF COMMERCE Patent and Trademark Office

## **CLAIMS ONLY**

SERIAL NO.

FILING DATE

APPLICANT(S)

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|----|----|---|---|
|    |    |   |   |

|                 | AS FILED    |            | AFTER<br>1st AMENDMENT                           |             | AFTER<br>2nd AMENDMENT                           |  | CLAIMS |                 | *  |              | *            |              |
|-----------------|-------------|------------|--|-------------|--|--|--------|-----------------|--|--------------|--------------|--------------|
|                 | IND.        | DEP.       | IND.   | DEP.        | IND.   | DEP.   | 1      |                 | IND.   | DEP.         | IND.         | DEP.         |
| <i>D</i> 1      |             | I          |  |             |  |  | 1      | 51              |  | - DEF.       | 1140.        | DEP.         |
| 2               | †           |            | <del> </del>                                     | <del></del> | <del> </del>                                     | <del>                                     </del> | 1      | 52              |  | <del> </del> | <del> </del> | ├            |
| 3               |             |            | <del>                                     </del> | -           | ·  | 1  | 1      | 53              | _  |              | <del> </del> |              |
| 4               |             |            | <del>                                     </del> |             | <u> </u>   | 1  | 1      | 54              |  |              | <del> </del> | _            |
| 5               |             |            | <u> </u>   |             | <del>                                     </del> | <del> </del>                                     | 1      | 55              | -  |              |              |              |
| 6               |             |            |  |             |  |  | 1      | 56              | -  |              | ·            | <del> </del> |
| 7               |             |            |  |             |  | <del>                                     </del> | 1      | 57              | _  |              | <u> </u>     | t            |
| 8               |             |            |  |             |  | i  | 1      | 58              |  |              |              | <u> </u>     |
| (D 9            |             |            |  |             |  | 1  | 1      | 59              |  |              |              |              |
| 10              |             |            |  |             |  |  | 1      | 60              | <u> </u>   |              |              |              |
| 11              |             |            |  |             |  |  | 1      | 61              |  |              |              |              |
| 12              |             |            |  |             |  |  | 1      | 62              |  |              |              | <u> </u>     |
| 13              |             |            |  |             |  |  | 1      | 63              | <u> </u>   |              |              | _            |
| 14              |             |            |  |             |  |  | 1      | 64              | <u> </u>   |              |              | <b>-</b>     |
| 15              |             |            |  |             |  |  | 1      | 65              |  |              |              |              |
| 16              |             |            |  |             |  |  | 1      | 66              | <del>                                     </del> |              |              |              |
| 17              |             |            |  |             |  | <u> </u>   | 1      | 67              |  |              |              |              |
| 18              |             |            |  |             |  |  | 1      | 68              |  | ļ -          |              | 1            |
| 19              |             |            |  |             |  | l  | 1      | 69              |  |              |              |              |
| 20              |             |            |  |             |  |  | 1      | 70              |  |              | T            |              |
| 21              |             |            |  |             |  |  | 1      | 71              |  |              |              |              |
| 22              |             |            |  |             |  |  |        | 72              |  |              |              |              |
| 23              |             |            |  |             |  |  | 1      | 73              | ·  |              | <b>1</b>     | 1            |
| 24              |             |            |  |             |  |  | 1      | 74              |  |              | ·            |              |
| 25              |             |            |  |             |  |  | ]      | 75              |  |              |              |              |
| 26              |             |            |  |             |  |  | ]      | 76              |  |              |              |              |
| 27              |             |            |  |             |  |  | ]      | 77              |  |              |              |              |
| 28              |             |            |  |             |  |  | ]      | 78              |  |              |              | -            |
| 29              |             |            |  |             |  |  |        | 79              |  |              |              |              |
| 30              |             |            |  |             |  |  |        | 80              |  |              |              |              |
| 31              | I           |            |  |             | Ĺ  |  | ] [    | 81              |  |              |              |              |
| 32              |             |            |  | _           |  |  |        | 82              |  |              |              |              |
| 33              |             |            |  |             |  |  | li     | 83              |  |              |              |              |
| 34              | <u> </u>    |            |  |             |  |  |        | 84              |  |              |              |              |
| 35              |             |            |  |             |  |  | ] [    | 85              |  |              |              |              |
| 36              | <u> </u>    |            |  |             |  |  | ] [    | 86              |  |              |              |              |
| 37              | L           |            |  |             |  |  |        | 87              |  |              |              |              |
| 38              | ļ           |            |  |             |  |  |        | 88              |  |              |              |              |
| 39              |             |            |  |             |  |  |        | 89              |  |              |              |              |
| 40              |             |            |  |             |  |  | l l    | 90              |  |              |              |              |
| 41              |             | -          |  |             |  |  |        | 91              |  |              |              |              |
| 42              |             |            |  |             |  |  |        | 92              |  |              |              |              |
| 43              | <b> </b>    |            |  |             |  |  |        | 93              |  |              |              |              |
| 44              |             |            |  |             |  |  |        | 94              |  |              |              |              |
| 1 45            |             |            |  |             |  |  |        | 95              |  |              |              |              |
| 46              |             |            |  |             |  |  |        | 96              |  |              |              |              |
| 47              | <b>  </b>   |            |  |             |  |  |        | 97              |  |              |              |              |
| 48              |             |            |  |             |  |  |        | 98              |  |              |              |              |
| 49              | <b>├</b> ── |            |  |             |  |  |        | 99              |  |              |              |              |
| 50              | <u> </u>    |            |  |             |  |  |        | 100             |  |              |              |              |
| TOTAL IND.      | 161         |            |  | _1          | Ī  | 1  |        | TOTAL<br>IND.   |  | 1            |              |              |
| TOTAL<br>DEP.   | 139         | <b>—</b>   |  | -           |  | -  | H      | TOTAL           |  | <b>—</b>     |              | <b>—</b> 1   |
| TOTAL<br>CLAIMS |             | (A)        | i i  | (S) 5 = 70  |  | CONTRACTOR OF                                    | -      | DEP.            |  | , , , ,      | -            |              |
| CLAIMS          | 1/10        | 200 Sec. 1 |  |             |  | 35 × 3   | 1      | TOTAL<br>CLAIMS |  |              |              |              |

|   |                 | IND.   | DEP.     | IND.   | DEP.   | IND.         | DEP.  |
|---|-----------------|--|----------|--|--|--------------|-------|
|   | 51              |  |          |  |  |              |       |
|   | 52              |  |          |  |  |              |       |
|   | 53              |  |          |  |  |              |       |
|   | 54              |  |          |  |  |              |       |
|   | 55              |  |          |  |  |              |       |
|   | 56              |  |          |  |  |              |       |
|   | 57              |  |          |  | <u> </u>   |              |       |
|   | 58              |  |          |  |  |              |       |
|   | 59              |  |          |  |  |              |       |
|   | 60              | I  |          |  |  |              |       |
|   | 61              |  |          |  |  |              |       |
|   | 62              |  |          |  |  |              |       |
|   | 63              |  |          |  |  |              |       |
|   | 64              |  |          |  | T  |              |       |
|   | 65              |  |          |  |  |              |       |
|   | 66              | 1  |          |  |  |              |       |
|   | 67              |  |          | 1  |  |              |       |
|   | 68              |  |          |  | <u> </u>   |              |       |
|   | 69              | <del>                                     </del> | l        |  |  |              |       |
|   | 70              | <u> </u>   |          | T  |  |              |       |
|   | 71              |  |          |  |  |              |       |
|   | 72              | $\vdash$   |          | <del>                                     </del> | <b></b>  | _            |       |
|   | 73              | <del>                                     </del> | -        | <u> </u>   | -  |              |       |
|   | 74              | <u> </u>   |          | <del>一</del>                                     | <u> </u>   |              |       |
|   | 75              |  |          | İ  |  | <del> </del> |       |
|   | 76              |  |          | ·  |  |              |       |
|   | 77              | <del>                                     </del> |          | <u> </u>   |  |              |       |
|   | 78              | <b>!</b>   |          |  | -  |              |       |
|   | 79              |  |          | <del>                                     </del> |  |              |       |
|   | 80              | <b>!</b>   |          |  | <del>                                     </del> |              |       |
|   | 81              |  |          |  |  | -            |       |
|   | 82              |  |          | ļ  |  |              |       |
|   | 83              | <del>  </del>                                    |          |  |  |              |       |
|   | 84              | <del>  </del>                                    |          |  |  |              |       |
|   | 85              | t  |          |  |  |              |       |
|   | 86              |  |          | <del>                                     </del> |  |              |       |
|   | 87              |  |          | <del>                                     </del> | <del>                                     </del> |              |       |
|   | 88              |  |          |  |  |              |       |
|   | 89              |  | <u> </u> |  |  |              |       |
|   | 90              |  |          |  |  |              |       |
|   | 91              |  |          |  |  |              |       |
|   | 92              |  |          |  |  |              |       |
|   | 93              |  |          |  |  |              |       |
|   | 94              |  |          |  |  |              |       |
|   | 95              |  |          |  |  |              |       |
|   | 96              |  |          | <u> </u>   |  | -            |       |
|   | 97              | <del>-                                    </del> |          |  |  |              |       |
| ļ | 98              | <del></del>                                      |          |  |  |              |       |
| į | 99              |  |          |  |  |              |       |
|   | 100             | +  |          |  |  |              |       |
|   | TOTAL           |  |          |  |  |              |       |
|   | IND.            |  | <b>.</b> |  |  |              |       |
|   | DEP.            |  |          |  |  |              | _     |
| ı | TOTAL<br>CLAIMS |  | 12       |  |  |              | A. A. |

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